

Index to issues 352 to 363 (1980)

For the convenience of readers using this index to locate articles of interest, the page numbers relate to the following issues:

1-64	January (No 352)	461-518	July (No 358)
65-124	February (No 353)	519-590	August/September (No 359/360)
125-188	March (No 354)	591-662	October (No 361)
189-272	April (No 355)	663-718	November (No 362)
273-368	May (No 356)	719-774	December (No 363)
369-460	June (No 357)		

Author Index

Aird, R. J. 301	Evans, T. J. 73	Laird, J. H. <i>et al</i> . . . 95, 155	Rothwell, E. 24
Ale, B. J. M. <i>et al</i> . . 47, 494	Eyre, J. A. <i>et al</i> . . . 568	Lamb, J. 152	Rowbotham, D. W. <i>et al</i> 95, 155
Ashby, N. 427	Franklin, N. L. 281	Lang, J. R. A. 543	Schofield, C. <i>et al</i> . . . 486
Beveridge, G. S. G. . . 113	Freund, T. <i>et al</i> . . . 213	Lees, F. P. 736	Schöön, N.-H. 420
Beveridge, G. S. G. <i>et al</i> 95, 155	Fu, W. B. <i>et al</i> . . . 568	Linnhoff, B. <i>et al</i> . . . 742	Shepherd, D. C. 731
Biron, E. <i>et al</i> 213	Gent, C. W. <i>et al</i> . . . 85	Macey, L. J. <i>et al</i> . . . 216	Sims, I. G. 308
Björkman, A. 411	Goodman, D. R. . . . 91	Mackay, W. B. 546	Stewart, I. W. <i>et al</i> . . 486
Brunig, F. <i>et al</i> . . . 47, 494	Gugan, K. 491, 567	Marshall, V. C. 108, 357, 499	Swanborough, A. 482
Chandler, P. <i>et al</i> . . . 216	Halfani, M. <i>et al</i> . . . 747	Marshall, V. C. <i>et al</i> . . . 107	Terjesen, S. G. <i>et al</i> . . . 417
Charlton, T. 163	Hearfield, F. 625	Martin, R. E. 687	Thorley, A. R. D. . . . 222
Clarkson, D. C. . . . 111	Hemelryk, S. O. <i>et al</i> . 306	Masters, K. 145	Townsend, D. W. . . . 628
Cobb, E. C. <i>et al</i> . . . 107	Holding, J. 539	McKay, G. 219	Turner, J. A. <i>et al</i> . . . 742
Dalglish, J. McN. <i>et al</i> . 152	Hummelstedt, L. . . . 414	Medlock, R. S. 679	Verdin, A. 683
Dance, P. 733	Idelson, I. V. <i>et al</i> . . . 306	Partington, E. V. . . . 312	Wakeman, R. J. 21
Davies, R. A. L. . . . 225	Jarvis, J. E. 477	Partridge, L. J. 88	Ward, A. S. 27
Duxbury, H. A. . . . 31	Kauders, P. 51, 475, 530, 634, 753	Pritchard, C. <i>et al</i> . . . 747	Ward, S. A. <i>et al</i> . . . 85
Edwards, F. W. 676	Kidger, P. A. 149	Purchas, D. B. 473, 551	Weiss, A. <i>et al</i> 213
Edwards, J. D. 316			Wheeler, W. H. 693
Erga, O. <i>et al</i> 417			Williams, L. F. 52, 173, 230

Index to issues 352 to 363 (1980)

For the convenience of readers using this index to locate articles of interest, the page numbers relate to the following issues:

1-64	January (No 352)	461-518	July (No 358)
65-124	February (No 353)	519-590	August/September (No 359/360)
125-188	March (No 354)	591-662	October (No 361)
189-272	April (No 355)	663-718	November (No 362)
273-368	May (No 356)	719-774	December (No 363)
369-460	June (No 357)		

Author Index

Aird, R. J. 301	Evans, T. J. 73	Laird, J. H. <i>et al</i> . . . 95, 155	Rothwell, E. 24
Ale, B. J. M. <i>et al</i> . . 47, 494	Eyre, J. A. <i>et al</i> . . . 568	Lamb, J. 152	Rowbotham, D. W. <i>et al</i> 95, 155
Ashby, N. 427	Franklin, N. L. 281	Lang, J. R. A. 543	Schofield, C. <i>et al</i> . . . 486
Beveridge, G. S. G. . . 113	Freund, T. <i>et al</i> . . . 213	Lees, F. P. 736	Schöön, N.-H. 420
Beveridge, G. S. G. <i>et al</i> 95, 155	Fu, W. B. <i>et al</i> . . . 568	Linnhoff, B. <i>et al</i> . . . 742	Shepherd, D. C. 731
Biron, E. <i>et al</i> 213	Gent, C. W. <i>et al</i> . . . 85	Macey, L. J. <i>et al</i> . . . 216	Sims, I. G. 308
Björkman, A. 411	Goodman, D. R. . . . 91	Mackay, W. B. 546	Stewart, I. W. <i>et al</i> . . 486
Brunig, F. <i>et al</i> . . . 47, 494	Gugan, K. 491, 567	Marshall, V. C. 108, 357, 499	Swanborough, A. 482
Chandler, P. <i>et al</i> . . . 216	Halfani, M. <i>et al</i> . . . 747	Marshall, V. C. <i>et al</i> . . 107	Terjesen, S. G. <i>et al</i> . . . 417
Charlton, T. 163	Hearfield, F. 625	Martin, R. E. 687	Thorley, A. R. D. . . . 222
Clarkson, D. C. . . . 111	Hemelryk, S. O. <i>et al</i> . 306	Masters, K. 145	Townsend, D. W. . . . 628
Cobb, E. C. <i>et al</i> . . . 107	Holding, J. 539	McKay, G. 219	Turner, J. A. <i>et al</i> . . . 742
Dalglish, J. McN. <i>et al</i> . 152	Hummelstedt, L. . . . 414	Medlock, R. S. 679	Verdin, A. 683
Dance, P. 733	Idelson, I. V. <i>et al</i> . . 306	Partington, E. V. . . . 312	Wakeman, R. J. 21
Davies, R. A. L. . . . 225	Jarvis, J. E. 477	Partridge, L. J. 88	Ward, A. S. 27
Duxbury, H. A. . . . 31	Kauders, P. 51, 475, 530, 634, 753	Pritchard, C. <i>et al</i> . . . 747	Ward, S. A. <i>et al</i> . . . 85
Edwards, F. W. 676	Kidger, P. A. 149	Purchas, D. B. 473, 551	Weiss, A. <i>et al</i> 213
Edwards, J. D. 316			Wheeler, W. H. 693
Erga, O. <i>et al</i> 417			Williams, L. F. 52, 173, 230

Subject Index

See also Title Index

Adsorber	213
Ammonia	85, 88
Analysis	683
Catalysis in ammonia production	February issue topic
Contracting	December issue topic
Denmark	411
Energy, efficient use of	October issue topic, see also 742, 747
Extruder	482
Filtration and separation	January issue topic, see also 473, 551
Finland	414
Finniston Report	73, 289
Food and beverage industries	March issue topic
Instrumentation	November issue topic

Japan	27
Maintenance	May issue topic
Mixing	July issue topic, see also 95, 155, 557
Norway	417
Offshore petroleum	August/September issue topic
Pipeline	222
Pollution	216, 693
Safety	44, 95, 107, 108, 113, 155, 357, 441, 499, 625, 736
Scandinavia	June issue topic
Spray drying	145
Sweden	420
Tanzania	747
Trade Unions	165

Title Index

Adipic acid reactor development—with benefits in energy and safety, by F. Hearfield	625
Analysis of the Canvey Island report, an, by V. C. Marshall	357
Annual Dinner, IChemE (meeting report)	178
Annual General Meeting, IChemE 57th, minutes of the	748
Annual General Meeting, IChemE 58th (meeting report)	373, 533
Annual Report of the Council for 1979	249
Application of reliability engineering to process plant maintenance, the, by R. J. Aird	301
Applying terotechnology to chemical plant maintenance, by E. V. Partington	312
Aspects of hazard survey and assessment, some, by F. P. Lees	736
Catalysis in coal-based ammonia plants, by C. W. Gent and S. A. Ward	85
Cathodic protection material and design for offshore applications, by W. B. Mackay	546
Chemical and engineering aspects of low NO _x concentration, by W. H. Wheeler	693
Chemical engineering student today and tomorrow, the, by N. Ashby (Non-corporate page)	427
Chemical engineering in Denmark, by A. Björkman	411
Chemical engineering in Finland, by L. Hummelstedt	414
Chemical engineering in Norway, by O. Erga and S. G. Terjesen	417
Chemical industry in Sweden, the, by N.-H. Schöön	420
Chemical Process Hazards VII (meeting report)	441
Condition Monitoring in the Process Industries (meeting report)	315
Condition monitoring of chemical plants, by I. G. Sims	308
Contracting at the crossroads, by P. Dance	733
Correx 79 (exhibition report)	50
Cost estimation—effect of time and place, by L. F. Williams	52, 173, 230
Design 79 (meeting report)	41
Design and operation of glass-lined conical dryer blenders with reference to the safety aspects, by D. W. Robotham, J. H. Laird and G. S. G. Beveridge	95, 155
Design notebook—reduction of vented pentane emissions during the production of expandable polystyrene, by D. C. Clarkson	111
Dispersion mixing in the paint industry, by J. E. Jarvis	477
Economics of catalyst operation, the, by D. R. Goodman	91
Engineering our future—the Finniston Report, by T. J. Evans	73
Engineer's liability to prosecution, the	548
Environmental Effects of using more coal (meeting report)	166
Eurochem 80 (exhibition preview)	401
Eurochem 80 (exhibition report)	606
Eurochem 80 (meeting report)	603
Exhibition previews—Eurochem 80	401
—Interflow 80	99
Exhibition reports—Correx 79	50
—Eurochem 80	606
—Filttech/Dustech	24
Filttech/Dustech (exhibition report)	24
Filtration research in Japan, by A. S. Ward	27
Financing of International Projects, the (meeting report)	503
Finniston Report, the—an IChemE summary (special supplement following p 80)	

Flash pasteurisation of beer, by P. A. Kidger	149
Food engineering education for the food and beverage process industries, by J. McN. Dalgleish and J. Lamb	152
Foodstuffs—where spray drying plays a rôle, by K. Masters	145
Franklin, Norman Lawrence, IChemE President 1979/80	237
Future of Energy, the—Oil and Coal (meeting report)	444
Harrisburg: the Report of the President's Commission, by E. C. Cobb and V. C. Marshall	107
Health and Safety at Work (meeting report)	44
Heat economy in the Tanzanian oil refinery, by C. Pritchard and M. Halfani	747
Hydratect ®—detection of the presence or absence of water in steam plant, by R. E. Martin	687
IChemE involvement in the Eurochem 80 conference	359, 399
IChemE remuneration survey 1980, the	333
IChemE response to the Finniston Report, the	289
Interflow 80 (exhibition preview)	99
Interflow 80 (meeting report) by R. A. L. Davies	225
Low-temperature approach to airborne pollution control, the, by L. J. Macey and P. Chandler	216
Management of the chemical plant maintenance function, by J. D. Edwards	316
Meeting reports—Annual Dinner, IChemE	178
—Annual General Meeting, IChemE 58th	373, 533
—Chemical Process Hazards VII	441
—Condition Monitoring in the Process Industries	315
—Design 79	41
—Environmental Effects of Using More Coal	166
—Eurochem 80	603
—Financing of International Projects, the	503
—Future of Energy, the—Oil and Coal	444
—Health and Safety at Work	44
—Interflow 80	225
—Safety in University Chemical Engineering Departments	439
—Second World Filtration Congress	21
—Selling Chemical Engineering	676
—Solids Separation Processes	473
—You Pays Your Money and You Takes Your Choice	165
Method to determine the residual capacity of an adsorber, a, by A. Weiss, T. Freund and E. Biron	213
Nuclear power and proliferation, by N. L. Franklin (Presidential address)	281
Offshore oil production platforms—the tethered buoyant platform, by J. R. A. Lang	543
Pigment deagglomeration in a model mixer, by C. Schonfield and I. W. Stewart	486
Plastics compounding extruders, by A. Swanborough	482
Process analysers, by A. Verdin	683
Process engineering design, by P. Kauders	51, 475, 530, 634, 753
Production of ammonia synthesis gas by purification and shift conversion of gas produced from coal, by L. J. Partridge	88

INDEX FOR 1980

Recent advances in filtration and separation practice, by E. Rothwell	24	State of the art and trends in industrial instrumentation, by R. S. Medlock	679
Recommended standard terminology and nomenclature for mixing Risks and rewards of innovation—a legal viewpoint, by T. Charlton (Non-corporate page)	557	Surface mass transfer during acid dye removal from water using carbon, by G. McKay	219
Safety in University Chemical Engineering Departments (meeting report)	439	Surge suppression and control in slurry pipelines, by A. R. D. Thorley	222
Scaling up multicompartment shaker bag filters, by D. B. Purchas	551	TNT equivalence—the Decatur anomaly, by V. C. Marshall	108
Second World Filtration Congress (meeting report) by R. J. Wakeman	21	Technical assistance contracts overseas, by D. C. Shepherd	731
Second law analysis in practice, by D. W. Townsend	628	Training and experience—tighter controls to be applied for CEng?	229
Second Report of the HSC Advisory Committee on Major Hazards, the, by G. S. G. Beveridge	113	Unconfined vapour cloud explosions (letters)— —by B. J. M. Ale and F. Brunig	47, 494
Selling Chemical Engineering (meeting report) by F. W. Edwards	676	—by W. B. Fu and J. A. Eyre	568
Seveso, an analysis of the Official Report, by V. C. Marshall	499	—by K. Gulan	491, 567
Simple concepts in process synthesis give energy savings and elegant designs, by B. Linhoff and J. A. Turner	742	What consultants can contribute to the management of maintenance, by I. V. Idelson and S. O. Hemelryk	306
Sizing of relief systems for polymerisation reactors, the, by D. H. Duxbury	31	What's ahead for process design offshore? by J. Holding	539
Solids Separation Processes (meeting report) by D. B. Purchas	473	You Pays Your Money and You Takes Your Choice (meeting report)	165

Book Review Index

Advances in biochemical engineering—vol 10, immobilised enzymes, edited by T. K. Ghose, A. Fiechter and N. Blakebrough	103	Handbook of analytical control of iron and steel production, by T. S. Harrison	57
Advances in biochemical engineering—vol 11, edited by T. K. Ghose, A. Fiechter and N. Blakebrough	104	Handbooks and tables in science and technology, edited by R. H. Powell	236
Amination processes pollutant discharges identification, by J. A. King, E. C. Herrick, R. P. Oulette and P. N. Cheremisinoff	755	Health and safety—the law, by J. Jackson	435
Analysis of engineering cycles, by R. W. Haywood	755	Hot gas cleanup, by G. F. Morrison	55
Atmospheric motion and air pollution, by R. A. Dobbins	756	Hydrocarbon synthesis from carbon monoxide and hydrogen, by E. L. Kluger and F. W. Steffen	705
Bailey's industrial oil and fat products, edited by D. Swern	507	Hydrocarbons and halogenated hydrocarbons in the aquatic environment	756
Benzene: basic and hazardous properties, by P. Cheremisinoff and A. Morresi	573	Hydrogen: production and marketing, by W. Novis Smith and J. G. Santangelo	707
Biological process design for wastewater treatment, by L. D. Benefield and C. W. Randall	505	Hygienic design and operation of food plant, edited by R. Jowitt	647
Bulk storage and handling of flammable gases and liquids, the	705	Industrial and hazardous wastes impoundment, by N. P. Cheremisinoff, P. N. Cheremisinoff, F. Ellerbusch and A. J. Perna	57
Calculation of properties using corresponding-state methods, by Z. Sterback, B. Biskup and P. Tausk	170	Industrial energy management for cost reductions, by T. E. Smith	103
Changing to the metric system	756	Industrial new product development, by J. W. Carsons and T. Rickards	648
Chemical engineering volume 3—second edition, edited by J. M. Coulson, J. F. Richardson and D. G. Peacock	169	Industrial separators for gas cleaning, by O. Storch	235
Chemical industry 1978, the	755	Internal flow systems, by D. S. Miller	573
Chemical reactor analysis and design, by G. F. Froment and K. B. Bischoff	507	Introduction to coal technology, an, by N. Berkowitz	353
Chemical reactor minibook, the, by Octave Levenspiel	505	Large chemical plants, edited by G. Froment	573
Chemical reactor omnibook, the, by Octave Levenspiel	505	Mechanics of fluids—fourth edition, by B. S. Massey	169
Chemicals 80: a directory of chemicals on the UK market	648	Methanation catalysts, by G. F. Watson	755
Chemical thermodynamics, by M. Kh. Karapetyants	103	Microbial technology: current state, future prospects, edited by A. T. Bull, D. C. Ellwood and C. Ratledge	104
Chemische Industrie und ihre Ausgabe 1979/80, die	507	Nitrogenous air pollutants, by D. Grosjean	104
Chemistry of wastewater technology, by A. J. Rubin	57	Nuclear power, by J. J. Duderstadt	55
Chemodynamics, by L. J. Thibodeaux	353	Organofluorine chemicals and industrial applications	104
Chemprofiles: India, by O. P. Kharbanda	170	Principles of polymer processing, by Z. Tadmor and C. G. Gogos	57
Coagulation and flocculation, by J. Bratby	505	Proceedings of the 33rd industrial waste conference	57
Coal conversion, by E. J. Hoffman	235	Process flowsheeting, by A. W. Westerberg, H. P. Hutchison, R. L. Motard and P. Winter	104
Combustion of low-grade coal, by G. F. Morrison	55	Project cost control in action, by O. P. Kharbanda, E. A. Stallworthy and L. F. Williams	705
Conversion to coal and coal/oil firing, by G. F. Morrison	355	Report given by the <i>ad hoc</i> committee on heat pumps	55
Corrosion of stainless steels, by A. J. Sedriks	353	Resource recovery and recycling, by A. F. M. Barton	507
Electrostatics 1979	236	Safety in process plant design, by G. L. Wells	235
Energy and combustion science, edited by N. Chigier	355	Safety policies, by B. Egan	435
Energy development and land use in the United Kingdom (Watt Committee Report No 4)	55	Sodium NaK engineering handbook, volume 5, edited by O. J. Foust	104
Energy research and development programme: status report 1979	707	Spray drying handbook, third edition, by K. Masters	353
Energy storage, by J. Jensen	235	Structure and bonding in solid-state chemistry, by M. F. C. Ladd	57
Equations of state in engineering and research, by K. C. Chao and R. Robinson	756	Sulphate-reducing bacteria, the, by J. R. Postgate	104
Ethylene: keystone to the petrochemical industry, by L. Kniel, P. Olaf Winter and K. Stork	705	Temperature measurement and control	756
European chemical industry handbook, by S. H. Wamsley	647	Topics in enzyme and fermentation biotechnology—3, edited by Alan Wiseman	57
Evaluation of energy use (Watt Committee Report No 6)	647	Trace elements from coal combustion, by M. Y. Lim	55
Fermentation and enzyme technology, by D. Wang, C. Coonery, A. Demain, P. Dunnill, A. Humphrey and M. D. Lilly	57	Treatment and disposal of wastewater sludges (revised edition), by P. Arne Vesiland	104
Filtration, principles and practices—part 2, edited by C. Orr	55	Unit process guide to the organic chemical industries, by J. A. King, E. C. Herrick, R. P. Oulette and P. N. Cheremisinoff	755
Flowmeters, by A. T. J. Hayward	756	Waste recycling and pollution control handbook, by A. V. Bridgwater and C. J. Mumford	169
Fluid catalytic cracking with zeolite catalysts, by P. B. Venuto and E. T. Habib	103	Water treatment handbook	648
Fluid flow and heat transfer, by Aksel L. Lydersen	57	Well-oiled, by A. Wilson	573
Food engineering, by M. Loncin and R. L. Merson	169		
Foundations of chemical analysis, by O. Budevsky	104		
Fundamentals of chemical reaction engineering, by J. D. Holland and R. G. Anthony	169		
Gasohol for energy production, by N. P. Cheremisinoff	103		
Gas purification—third edition, by A. Kohl and F. Riesenfeld	648		
Guide to the condition monitoring of machinery, a, by M. Neale and associates	353		

